

DATA SHEET

TECHNICAL DATA SHEET B300IR

FIRE RESISTANT ABS SHEET WITH HIGH IMPACT PROPERTIES

GENERAL			
Property	Method	Unit	SWP ABS
Density 1	ISO 1183	g / cm ³	1.20
MECHANICAL			
Property	Method	Unit	SWP ABS
Tensile Strength at yield	ISO 527-2 / 50	MPa	30
Tensile E Modulus	ISO 527-2	kJ / m ²	1700
Elongation at Break	ISO 527-2	%	9
Charpy Impact notched	ISO 179 / 1eA	kJ / m ²	17
Charpy Impact unnotched	ISO 179 / 1eU	kJ / m ²	36
OPTICAL			
Property	Method	Unit	SWP ABS
Gloss / Matt level at 60° 2	ISO 2813	Units	5 - 20
THERMAL			
Property	Method	Unit	SWP ABS
Heat Deflection Temperature	ISO 75-2 / A	°C	97
Vicat Softening Point	ISO 306 / B50	°C	99
OTHERS			
Property	Method	Unit	SWP ABS
Flammability (1.50mm thickness)	UL94	Rating	V0
Thermoforming temperature range (recommended)		°C	140 - 170
Mould Shrinkage	ISO 294-4	%	0.5 - 0.8

Remark: These technical data of our products are typical ones. The actual measured values are subject to production variations.

1. Density for black sheet is 1.21
2. Gloss values are attained from smooth finish thermoformed parts